



D-Think X10 Microchip Scanner User Manual

V1.00





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1 Introduction

The purpose of this document is to serve as a user manual/guide for the D-Think X10 microchip scanner. Contained in this document are a set of instructions to help the user with any problems or questions they might have while using the microchip scanner.

The D-Think X10 is intended to be used on companion animals that have been microchipped and registered on a database.

The RFID Experts D-Think X10 microchip scanner is a handheld RFID (radio frequency identification) device which can be used in conjunction with the BringMeHome[®] Microchip Database.

2 Product Information

- **Operating Frequency:** 125KHz and 134.2KHz
- **Formats Supported:** FDX-B (ISO11784/5) and FDX-A
- **Transponder Reading Distance:**
 - *FDX-B (ISO11784/5):* 10 to 12cm
 - *FDX-A:* 7 to 9cm
 - *FDX-B Electronic ear tag:* up to 18cm
- **Storage Capacity:** 2000 EIDs
- **Screen:** 16 X 2 character LCD display
- **Communication:** Bluetooth Keyboard, USB
- **Power Supply:** Two 3.7V lithium ion batteries
- **Operating Temperature:** $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$
- **Storage Temperature:** $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$

3 Getting Started

3.1 Layout and Start-Up

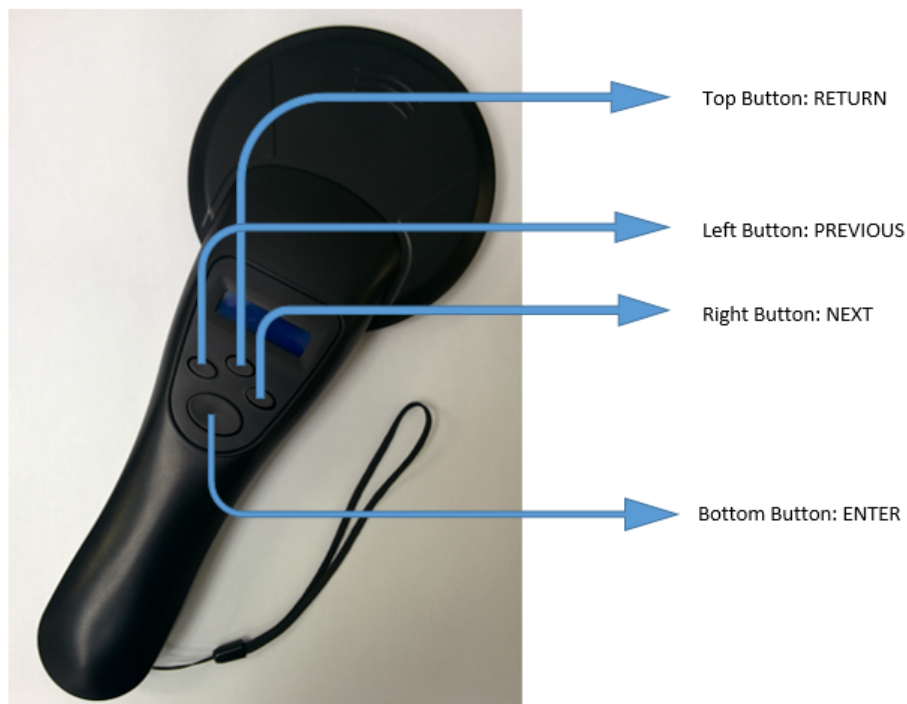


Figure 3.1: D-Think X10 Layout

- **Power On:** To power the device, long-hold *ENTER* (2 seconds). The device will beep once

- **Power Off:**
 - Long-hold *RETURN* (2 seconds). *Power off now* should be displayed.
 - Via the menu option 9 (*Power off*).

3.2 Menu Navigation

1. Tag Scan:

Press the *ENTER* button. This will continuously scan for a transponder (20 seconds). Once it finds a transponder, the EID will be displayed on the screen and the device will beep loudly. If the scan has finished (20 seconds) and it does not find a transponder, *No tag found !* will be displayed on the screen and the device will beep twice. The *RETURN* button can be pressed to exit the process of seeking a transponder.

Display Description:

- If you find a transponder:
 - First line:
Transponder type, current storage number
 - Second line:
Tag number
- If you do not find a transponder:
 - Displays *No tag found*

2. Tag Storage Option:

- *Store*: If this option is selected the EID numbers of the transponders will be stored in the database.
- *Not store*: If this option is selected, the EID numbers of the transponders will NOT be stored in the database.

3. Tags number:

- First line:
Storage: Shows the number of tags that have been stored in the database.
- Second line:
Free: Shows the number of free storage enteries available in the database.

4. Tags content:

- First line:
Transponder type, current storage number
- Second line:
Tag number

To scroll through the EID numbers press the *LEFT* and/or *RIGHT* buttons. (To scroll faster hold the *LEFT* and/or *RIGHT* buttons in)

5. Memory erase:

This option will erase all the EID enteries in the database.

6. Bluetooth power option:

- *On*: This will enable bluetooth
- *Off*: This will disable bluetooth

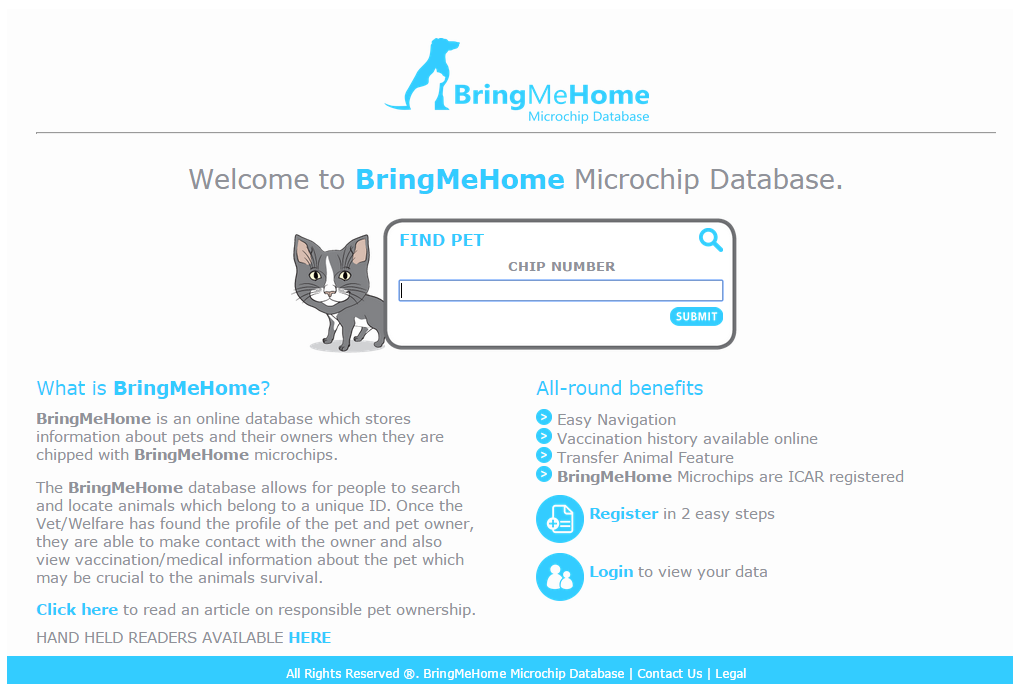
7. Auto power off option:

- *On*: This option will enable auto power off which will allow the device to power off after 2 minutes of inactivity.
- *Off*: This option will disable auto power off.

Auto power off will always reset to *On* after the device is switched off and on again.


4 BringMeHome[®] Keyboard

As previously stated, the D-Think X10 microchip scanner can be used to scan an EID number into the BringMeHome[®] microchip database search form. (*For this function to work, the PC on which BringMeHome[®] is run has to be Bluetooth enabled.*)



BringMeHome
Microchip Database

Welcome to **BringMeHome** Microchip Database.

FIND PET 

CHIP NUMBER

SUBMIT

What is BringMeHome?

BringMeHome is an online database which stores information about pets and their owners when they are chipped with **BringMeHome** microchips.


The **BringMeHome** database allows for people to search and locate animals which belong to a unique ID. Once the Vet/Welfare has found the profile of the pet and pet owner, they are able to make contact with the owner and also view vaccination/medical information about the pet which may be crucial to the animals survival.


[Click here](#) to read an article on responsible pet ownership.

HAND HELD READERS AVAILABLE [HERE](#)

All-round benefits

- Easy Navigation
- Vaccination history available online
- Transfer Animal Feature
- **BringMeHome** Microchips are ICAR registered

 **Register** in 2 easy steps

 **Login** to view your data

All Rights Reserved ©. BringMeHome Microchip Database | [Contact Us](#) | [Legal](#)

Figure 4.1: BringMeHome[®] Microchip Database Search Form

4.1 Bluetooth Pairing with PC

To pair the D-Think X10 microchip scanner:

- Power the D-Think X10 on.
- First ensure that the D-Think X10's bluetooth power option is *On*
- Ensure your PC's bluetooth is turned on
- Navigate to Devices and Printers in Windows Control Panel

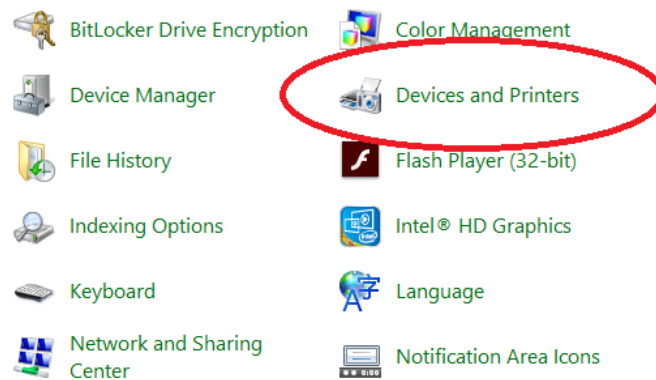


Figure 4.2: Devices and Printers

- Once in Devices and Printers Select *Add a device* as shown in figure 4.3

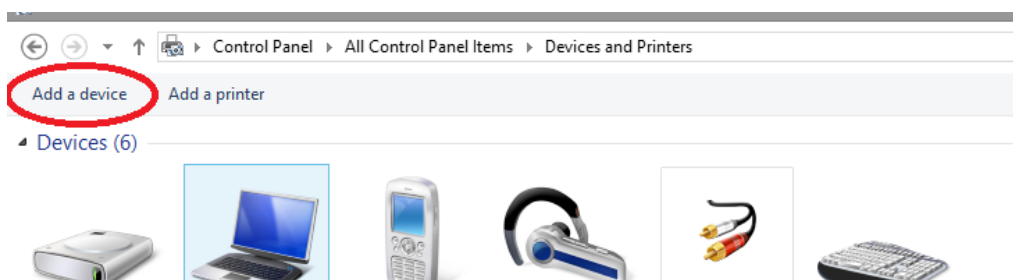


Figure 4.3: Add a device

- The D-Think X10 should appear after the search. Select it and then select *Next*. The drivers should install and the device will be ready for use.

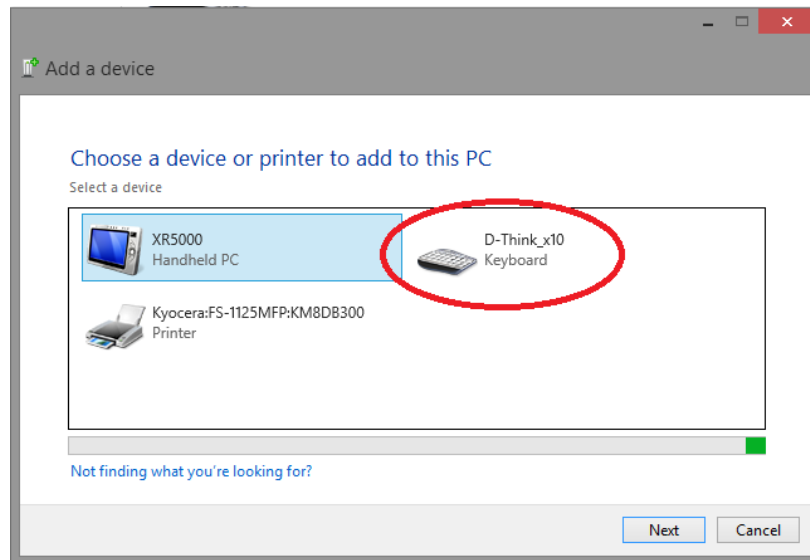


Figure 4.4: D-Think X10 Device

4.2 Keyboard Function

Once the D-Think X10 is connected via Bluetooth to the PC, open the BringMeHome[®] microchip database (www.Bringmehome.co.za). On the home page, left click on the *CHIP NUMBER* form under *FIND PET*.

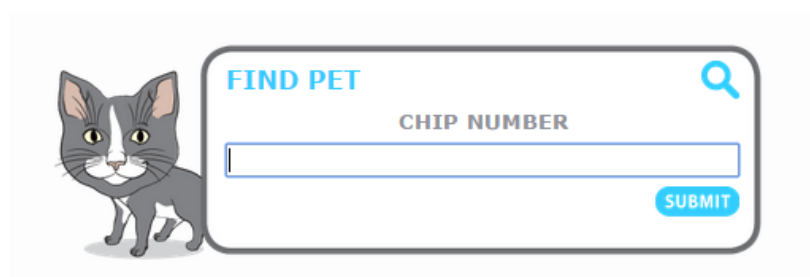


Figure 4.5: Find Pet Form

On the D-Think X10 navigate to *Tag scan* in the menu and press the *ENTER* button to begin scanning. When a transponder is found, the EID number will be entered into the form. Once the EID is in the form, click *SUBMIT* to initiate the search in the database.

A screenshot of a mobile application interface titled "FIND PET". On the left is a cartoon illustration of a grey and white cat. To the right is a form with a search icon in the top right corner. The form has a label "CHIP NUMBER" above a text input field. The input field contains the number "900024000655064". Below the input field is a blue button labeled "SUBMIT". Red circles highlight the input field and the "SUBMIT" button.

Figure 4.6: EID Entered into the Form